## bs-3154R

## [ Primary Antibody ]

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# phospho-c-Fos (Thr325) Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GeneID: 2353 SWISS:** P01100

Target: c-Fos (Thr325)

**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human

c-Fos around the phosphorylation site of Thr325: LC(p-T)PV.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: The Fos gene family consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. These genes encode leucine zipper proteins that can dimerize with proteins of the JUN family, thereby forming the transcription factor complex AP-1. As such, the FOS proteins have been implicated as regulators of cell proliferation, differentiation, and transformation. In some cases, expression of the FOS gene has also been associated with apoptotic cell death. [provided by

RefSeq, Jul 2008].

Applications: WB (1:500-2000)

**IHC-P** (1:100-500) **IHC-F** (1:100-500) **IF** (1:100-500) Flow-Cyt (1µg /Test)

Reactivity: Human, Mouse, Rat

(predicted: Pig, Sheep,

Chicken, Dog)

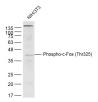
**Predicted** 

41 kDa MW.:

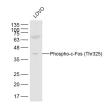
Subcellular

Location: Cytoplasm ,Nucleus

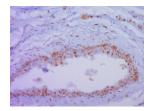
### VALIDATION IMAGES



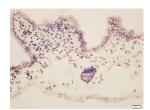
Sample: NIH/3T3(Mouse) Cell Lysate at 40 ug Primary: Anti-Phospho-c-Fos (Thr325) (bs-3154R) at 1/300 dilution Secondary: IRDve800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 41 kD Observed band size: 41 kD



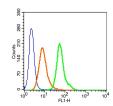
Sample: LOVO(Human) Cell Lysate at 40 ug Primary: Anti-Phospho-c-Fos (Thr325) (bs-3154R) at 1/300 dilution Secondary: IRDve800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 41 kD Observed band size: 41 kD



Paraformaldehyde-fixed, paraffin embedded (Rat urinary bladder); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (P-c-Fos (Thr325)) Polyclonal Antibody, Unconjugated (bs-3154R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: mouse intestine tissue; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat



Blank control(blue): 293T(fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice). Primary Antibody: Rabbit Anti-Phospho-c-Fos (Thr325)/AF488 Conjugated antibody (bs-3154R /AF488), Dilution:  $1\mu g$  in 100 serum,C-0005) at 37°C for 20 min; Incubation: Anti-Phospho-c-Fos (Thr325) Polyclonal Antibody, Unconjugated(bs-3154R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining  $\mu$ L 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG/FITC(orange) ,used under the same conditions.

## - SELECTED CITATIONS -

- [IF=8.8] Ya-Ru Huang. et al. ArhGAP11A mediates amyloid-β generation and neuropathology in an Alzheimer's disease-like mouse model. CELL REP. 2023 Jun 9;42(6):112624 WB,IHC; Mouse. 37302068
- [IF=7.9] Lujuan He. et al. The role of BDNF transcription in the antidepressant-like effects of 18β-glycyrrhetinic acid in a chronic social defeat stress model. PHYTOMEDICINE. 2023 Dec;:155332 WB; Mouse. 10.1016/j.phymed.2023.155332
- [IF=6.551] Mei Ha. et al. PKCα mediated by the PI3K/Akt-FOXA1 cascade facilitates cypermethrin-induced hyperthyroidism. Sci Total Environ. 2021 Feb;757:143727 WB;Rat. 33250241
- [IF=5.22] Tavares, Raquel, and Sushil Kumar Pathak. "Helicobacter pylori Secreted Protein HP1286 Triggers Apoptosis in Macrophages via TNF-Independent and ERK MAPK-Dependent Pathways." Frontiers in Cellular and Infection Microbiology 7 (2017): 58. WB; Human. 28293545
- [IF=3.362] Zheng N et al. Chlamydia pneumoniae infection promotes vascular smooth muscle cell migration via c-Fos/interleukin-17C signaling. International Journal of Medical Microbiology,2019, 151340. WB; Rat. doi:10.1016/j.ijmm.2019.151340